10/815,023 Application Number 40/048,630 Docket Number (Optional) UCIVN-033A Form PT0:-1449 INFORMATION DISCLOSURE CITATION Overman, et al. Applicant IN AN APPLICATION Group Art Unit 1624 Filing Date: 12/14/01 (Use several sheets if necessary) **U. S. PATENT DOCUMENTS** SUBCLASS RULING DATE CLASS DOCUMENT NUMBER EXAMINER IF APPROPRIATE INITIAL **FOREIGN PATENT DOCUMENTS** SUBCLASS COUNTRY CLASS TRANSLATION DOCUMENT NUMBER DATE YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Sonia J. Lupien et al., "The modulatory effects of corticosteroids on cognition: studies in young human populations", DR Psychoneuroendocrinology, Vol. 27 (2002), p. 401-416 R. Tavares et al., "Isolation of Crambescidin 800 from Monanchora Arbusula (Porifera)", Biochemical Systematics and DR Ecilogy, Vol. 22, No. 6 (1994), pp. 645-646 Michael R. Boyd et al., "Some Practical Considerations and Applications of the National Cancer Institute in Vitro DR Anticencerr Drug Dicovery Screen", Drug Developement Research, Vol. 34 (1995) pp. 91-109

EXAMINER

/Deepak Rao/

DATE CONSIDERED

09/18/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Notice of References Cited

Application/Control No. Applicant(s)/Patent Under Reexam 49/918,630-10<u>/815</u> Overman et al. Examiner Art Unit Page 1 of 1 Deepak Rao 1624

U.S. PATENT DOCUMENTS

	Document Number Date Country Code-Number-Kind Code MM-YYYY		Date MM-YYYY	Name		ssification ²
DR	A	6,028,077	2/2000	Rinehart et al.	514	267
	8					
	С					
	D			·		
	E					
	F					
	G					
	н					
	-					
	J					
	K					
	L					
	м	· ·				

FOREIGN PATENT DOCUMENTS

		Document Number Country Code-Number-Kind Code	Date MM-YYYY¹	Country	Name	Class	sification ²
DR	N	WO 98/46575	10/1998	wo	Shi et al.		****
DR	0	WO 93/01193	1/1993	wo	Mai et al.		
	P						·····
	a						
	R						
	s				••		
	T						

NON-PATENT DOCUMENTS

		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
DI	U	Coffey et al., A Practical Entry to the Crambescidin Family of Guanidine Alkaloids, J. Am. Soc., 122(20), pp. 4893-4903, 2000.
DI	>	Simone, Oncology: Introduction, Cecil Textbook of Medicine, 20th Edition, Vol. 1, pp. 1004-10, 1998.
DI	*	Douglas, Jr. Introduction to Viral Diseases, Cecil Textbook of Medicine, 20th Edition, Vol. 2, pp. 1739-47, 1996.
	x	

² Classifications may be U.S. or foreign.

^{*} A copy of this reference is not being furnished with this Office action. See MPEP \$ 707.05(a).

¹ Dates in MM-YYYY format are publication dates.

FORM 1449*	Docket Number 30447.1USWO	Application Number 10/815,023 10/018,030-		
INFORMATION DISCLOSURE STATEMENT	Applicant			
IN AN APPLICATION	Larry E. Overman et al.			
	Filing Date	Group Art Unit		
(Use several sheets if necessary)	December 14, 2001	1624		

	U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
DR	5,756,734 (Exhibit 1)	05/26/98	Rinehart et al.			06/07/95		
DR	5,952,332 (Exhibit 2)	09/14/99	Rinehart et al.			03/18/98		
DR	6,028,077 (Exhibit 3)	02/22/00	Rinehart et al.			04/10/98		

FOREIGN PATENT DOCUMENTS								
DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TR							ANSLATION	
						YES	NO	
						-		
						, , , , , , , , , , , , , , , , , , , 		

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
DR	Alley, Michael C. et al., "Feasibility of Drug Screening with Panels of Human Tumor Cell Lines Using a Microculture Tetrazolium Assay," Cancer Research, 48:589-601, 1988 (Exhibit 4)
DR	Ando, Sumie et al., "Ring-Enlarging Cyclohexane Annulations," The Journal of Organic Chemistry, 62:6379-87, 1997 (Exhibit 5)
DR	Baganz, Horst and Lothar Domaschke, "Über 1.3-Dioxolane, I: Darstellung von 2-Alkoxy-1.3-dioxolanen," Chemische Berichte, 91:650-3, 1958 (Exhibit 6)
DR	Beck, Albert K. et al., "Gorssansätze zur Herstellung von α,α,α',α'-Tetraaryl-1,3-dioxolan-4,5-dimethanolen (TADDOLe): Nützliche Hilfsstoffe für die EPC-Synthese und ihre Strucktur im Festkörper," Chimia, 45:238-244, 1991 (Exhibit 7)
DR .	Berlinck, R. G. S. et al., "Polycyclic Guanidine Alkaloids from the Marine Sponge Crambe Crambe and Ca ⁺⁺ Channel Blocker Activity of Crambescidin 816," Journal Products, 56:1007-15, 1993 (Exhibit 8)
. DR	Bernatowicz, Michael S. et al., "1H-Pyrazole-1-carboxamidine Hydrochloride: An Attractive Reagent for Guanylation of Amines and Its Application to Peptide Synthesis," <i>Journal of Organic Chemistry</i> , 57:2497-502, 1992 (Exhibit 9)
DR	Boyd, M. R. et al., "Data Display and Analysis Strategies for the NCI Disease-Oriented In Vitro Antitumor Drug Screen," Cytotoxic Anticancer Drugs: Models and Concepts for Drug Discovery and Development, Frederick A. Valeriote et al. (eds.), Kluwer Academic Publishers, MA, 11-34, 1990 (Exhibit 10)
DR	Burgess, Kevin et al., "Asymmetric Syntheses of Protected Derivatives of Carnosadine and Its Stereoisomers as Conformationally Constrained Surrogates for Arginine," Journal of Organic Chemistry, 59:2179-85, 1994 (Exhibit 11)

EXAMINER	/Deepak Rao/	DATE CONSIDERED 09/18/2006
EVALABIED L. S. L. C.		
EVAININER: IVITIAL IL	reference considered, whether or n	ot citation is in conformance with MPEP 609; draw line through citation

if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FORM 1449*	Docket Number 30447.1USWO	Application Number 10/815,023		
INFORMATION DISCLOSURE STATEMENT	Applicant			
IN AN APPLICATION	Larry E. Overman et al.			
	Filing Date	Group Art Unit		
. (Use several sheets if necessary)	December 14, 2001	1624		

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
DR	Castro, B. et al., "Reactifs de Couplage Peptidique IV (1) – L'Hexafluorophosphate de Benzotriazoly N-Oxytrisdemethylamino Phosphonium (B.O.P.)," <i>Tetrahedron Letters</i> , 14:1219-22, 1975 (Exhibit 12)
DR	Cava, M. P. et al., "The Synthesis of Caseadine Methyl Ether," Journal of Organic Chemistry, 34:2665-7, 1969 (Exhibit 13)
DR	Chang, George et al., "An Internal Coordinate Monte Carlo Method for Searching Conformational Space," Journal of the American Chemical Society, 111:4379-86, 1989 (Exhibit 14)
DR	Coffey, D. Scott et al., "Enantioselective Total Syntheses of 13,14,15-Isocrambescidin 800," Journal of the American Chemical Society, 121:6944-5, 1999 (Exhibit 15)
DR	Coffey, D. Scott et al., "Enantioselective Total Syntheses of 13,14,15-Isocrambescidin 800 and 13,14,15-Isocrambescidin 657," <i>Journal of the American Chemical Society</i> , 122:4904-14, 2000 (Exhibit 16)
DR	Coffey, D. Scott et al., "Preparation of (3S)-N,N-1,7-Bis-tert-butoxycarbonyl-3-hydroxyspermidine in High Enantiomeric Purity," Journal of Organic Chemistry, 64:8741-2, 1999 (Exhibit 17)
DR	Cohen, Frederick et al., "Asymmetric Total Synthesis of Batzelladine D," Organic Letters, 1:2169-72, 1999 (Exhibit 18)
DR	Dale, James A. et al., "α-Methoxy-α-trifluoromethylphenylacetic Acid, a Versatile Reagent for the Determination of Enantiomeric Composition of Alcohols and Amines," <i>Journal of Organic Chemistry</i> 34:2543-9, 1969 (Exhibit 19)
DR	Dale, James A. and Harry S. Mosher, "Nuclear Magnetic Resonance Enantiomer Reagents. Configurational Correlations via Nuclear Magnetic Resonance Chemical Shifts of Diasteromeric Mandelate, <i>O</i> -Methylmandelate, and α-Methoxy-α-trifluoromethylphenylacetate (MTPA) Esters," Journal of the American Chemical Society, 95:512-9, 1973 (Exhibit 20)
DR	Dess, D. B. and J. C. Martin, "Readily Accessible 12-I-5 Oxidant for the Conversion of Primary and Secondary Alcohols to Aldehydes and Ketones," <i>Journal of Organic Chemistry</i> , 48:4155-6, 1983 (Exhibit 21)
DR	Deziel, Robert, "Mild Palladium (0)-Catalyzed Deprotection of Allyl Esters: A Useful Application in the Synthesis of Carbapenems and Other β-Lactam Derivatives," <i>Tetrahedron Letters</i> , 28:4371-2, 1987 (Exhibit 22)
DR	Fujino, Masahiko et al., "Further Studies on the Use of Multi-substituted Benzenesulfonyl Groups fo Protection of the Guanidino Function of Arginine," <i>Chemical & Pharmaceutical Bulletin</i> , 29:2825-31 1981 (Exhibit 23)
DR	Garegg, Per J. and Bertil Samuelsson, "Novel Reagent System for converting a Hydroxy-group into an lodo-group in Carbohydrates with Inversion of Configuration. Part 2," J. Chem. Soc., Perkin Trans. 1, 2866-9, 1980 (Exhibit 24)
DR	Garigipati, Ravi S. et al., "Total Synthesis of (+)-Actinobolin," Journal of the American Chemical Society, 107:7790-2, 1985 (Exhibit 25)
DR	Huckin, Stuart N. and Larry Weiler, "Alkylation of Dianions of β-Keto Esters," Journal of the American Chemical Society, 96:1082-7, 1974 (Exhibit 26)
DR	Jares-Erijman, Elizabeth A. et al., "Crambescidins: New Antiviral and Cytotoxic Compounds from the Sponge Crambe crambe," Journal of Organic Chemistry, 56:5712-15, 1991 (Exhibit 27)

EXAMINER /Deepak Rao/	DATE CONSIDERED 09/18/2006
it not in conformance and not considered. Include copy of this	on is in conformance with MPEP 609; draw line through citation form for next communication to the Applicant.
	Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FORM 1449*	Docket Number 30447.1USWO	Application Number 10/815,023 10/01 0,63 0-	
INFORMATION DISCLOSURE STATEMENT	Applicant		
IN AN APPLICATION	Larry E. Overman et al.		
	Filing Date	Group Art Unit	
(Use several sheets if necessary)	December 14, 2001	1624	

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
DR	Jares-Erijman, Elizabeth A. et al., "Polycyclic Guanidine-Containing Compounds from the Mediterranean Sponge Crambe crambe: The Structure of 13,14,15-Isocrambescidin 800 and the Absolute Sterochemistry of the Pentacyclic Guanidine Moieties of the Crambescidins," Journal of Organic Chemistry, 58:4805-8, 1993 (Exhibit 28)		
DR	Kappe, C. Oliver, "100 Years of the Biginelli Dihydropyrimidine Synthesis," <i>Tetrahedron</i> , 49:6937-63, 1993 (Exhibit 29)		
DR	Kappe, C. Oliver, "A Reexamination of the Mechanism of the Biginelli Dihydropyrimidine Synthesis: Support for an N-Acyliminium Ion Intermediate," Journal of Organic Chemistry, 62:7201-4, 1997 (Exhibit 30)		
DR	Kashman, Yoel et al. "Ptilomycalin A: A Novel Polycyclic Guanidine Alkaloid of Marine Origin," Journal of the American Chemical Society, 111:8925-6, 1989 (Exhibit 31)		
DR	Kitamura, Masato et al., "Asymmetric Hydrogenation of 3-oxo Carboxylates Using Binap-Ruthenium Complexes: (R)-(-)-Methyl 3-Hydroxybutanoate," Organic Synthesis, 71:1-13, 1993 (Exhibit 32)		
DR	Loibner, Hans and Erich Zbiral, "Reaktionen mit phosphororganischen Verbindungen. XLI[1]): Neuartige synthetische Aspekte des Systems Triphenylphosphin-Azodicarbonsäureester- Hydroxyverbindung," Helvetica Chimica Acta, 59:2100-13, 1976 (Exhibit 33)		
DR	Mancuso, Anthony J. et al., "Oxidation of Long-Chain and Related Alcohols to Carbonyls by Dimethyl Sulfoxide "Activated" by Oxalyl Chloride," <i>Journal of Organic Chemistry</i> , 43:2480-2, 1978 (Exhibit 34)		
DR	McDonald, Andrew I. et al., "Tuning Stereoselection in Tethered Biginelli Condensations. Synthesis of cis- or trens-1-0xo- and 1-Iminohexahydropyrrolo[1,2-c] pyrimidines," Journal of Organic Chemistry, 64:1520-8, 1999 (Exhibit 35)		
DR	Metais, Eric et al., "Halide-Terminated N-Acyliminium Ion-Alkyne Cyclizations: A New Construction of Carbacephem Antibiotics," Journal of Organic Chemistry, 62:9210-16, 1997 (Exhibit 36)		
DR	Monks, Anne et al., "Feasibility of a High-Flux Anticancer Drug Screen Using a Diverse Panel of Cultured Human Tumor Cell Lines," <i>Journal of the National Cancer Institute</i> , 83:757-66, 1991 (Exhibit 37)		
DR	Nakajima, Noriyuki et al., "MPM (4-Methoxybenzyl) Protection of Hydroxy Functions Under Mild Acidic Conditions," <i>Tetrahedron Letters</i> , 29:4139-42, 1988 (Exhibit 38)		
DR	Ohizumi, Yasushi et al., "Ptilomycalin A, a novel Na*, K*- or CA²+-ATPase inhibitor, competitively interacts with ATP at its binding site," European Journal of Pharmacology, 310:95-8, 1996 (Exhibit 39)		
DR	Ohtani, Ikuko et al., "Structure and Chemical Properties of Ptilomycalin A," Journal of the America Chemical Society, 114:8472-9, 1992 (Exhibit 40)		
DR	Overman, Larry E. and Michael H. Rabinowitz, "Studies toward the Total Synthesis of (+)- Ptilomycalin A: Use of a Tethered Biginelli Condensation for the Preparation of an Advanced Tricyclic Intermediate," Journal of Organic Chemistry, 58:3235-7, 1993 (Exhibit 41)		
DR .	Overman, Larry E. et al., "Enantioselective Total Synthesis of (-)-Ptilomycalin," Journal of the American Chemical Society, 117:2657-8, 1995 (Exhibit 42)		
DR	Patil. Ashok D. et al., "Novel Alkaloids from the Sponge Batzella sp.: Inhibitors of HIV gp120- Human CD4 Binding," Journal of Organic Chemistry, 60:1182-8, 1995 (Exhibit 43)		

EXAMINER	/Deepak Rao/	DATE CONSIDERED	09/18/2006	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

^{*}Substitute Disclosure Statement Form (PTO-1449)

FORM 1449*	Docket Number 30447.1USWO	Application Number 10/815,023 19/018,630-
INFORMATION DISCLOSURE STATEMENT	Applicant	
IN AN APPLICATION	Larry E. Overman et al.	
	Filing Date	Group Art Unit
(Use several sheets if necessary)	December 14, 2001	1624

•	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
DR	Patil, Ashok D. et al., "Three New Tricyclic Guanidine Alkaloids from the Sponge Batzella sp.," Journal of Natural Products, 60:704-7, 1997 (Exhibit 44)
DR	Patil, Ashok D. et al., "Batzelladines F-I, Novel Alkaloids from the Sponge Batzella sp.: Inducers of p56kk-CD4 Dissociation," Journal of Organic Chemistry, 62:1814-9, 1997 (Exhibit 45).
DR	Paull, K. D. et al., "The 'Mean Graph' – A Graphic Pattern Display Format to Depict Differential Growth Inhibition, and 'Compare' – A Pattern Recognition System Which Can Identify Structurally Similar or Mechanistically Similar Test Agents from In Vitro Screening Data," Proceedings of the American Association for Cancer Research, 29:488, 1988 (Exhibit 46)
DR	Paull, K. D. et al., "Display and Analysis of Patterns of Differential Activity of Drugs Against Human Tumor Cell Lines: Development of Mean Graph and COMPARE Algorithm," <i>Journal of the National Cancer Institute</i> , 81:1088-92, 1989 (Exhibit 47)
DR	Posner, Gary H. and Carl M. Lentz, "A Directing Effect of Neighboring Aromatic Groups on the Regiochemistry of Formation and on the Stereochemistry of Alkylation and Bromination of Ketone Lithium Enolates. Evidence for Lithium – Arene π Coordination and for a Dramatic Effect of Even Small Amounts of Copper(I) in Controlling Stereochemistry and in Limiting Polyalkylation," Journal of the American Chemical Society, 101:934-46, 1979 (Exhibit 48)
DR	Roush, William R. and Herbert R. Gillis, "Improved Synthesis of the Perhydroindenone Precursor of Dendrobine," <i>Journal of Organic Chemistry</i> , 45:4283-7, 1980 (Exhibit 49)
DR	Rubinstein, L. V. et al., "Comparison of In Vitro Anticancer-Drug-Screening Data Generated With a Tetrazolium Assay Versus a Protein Assay Against a Diverse Panel of Human Tumor Cell Lines," Journal of the National Cancer Institute, 82:1113-8, 1990 (Exhibit 50)
DR	Seebach, Dieter et al., "Chirale Alkoxytitan(IV)-Komplexe für enantioselektive nucleophile Additionen an Aldehyde und als <i>Lewis</i> -Säuren in <i>Diels-Alder</i> -Reaktionen," <i>Helvetica Chimica Acta</i> , 70:954-74, 1987 (Exhibit 51)
DR	Seebach, Dieter et al., "On the Mechanisms of Enantioselective Reactions Using α,α,α',α'-Tetraaryl-1,3-dioxolane-4,5-dimethanol (TADDOL)-Derived Titanates: Differences between C ₂ - and C ₁ -Symmetrical TADDOLs-Facts, Implications and Generalizations," Helvetica Chimica Acta, 75:2171-209, 1992 (Exhibit 52)
DR .	Sharpless, K. Barry and Donald R. Williams, "The Reactions of Olefins with Permanganate, Ruthenium Tetroxide, and Osmium Tetroxide; Dependence of Rate on Degree of Substitution," <i>Tetrahedron Letters</i> , 35:3045-50, 1975 (Exhibit 53)
DR	Shoemaker, Robert H. et al., "Development of Human Tumor Cell Line Panels for Use In Disease- Oriented Drug Screening," <i>Prediction of Response to Cancer Therapy</i> , Alan R. Liss, Inc., NY, Thomas C. Hall (ed.), 265-86, 1988 (Exhibit 54)
DR	Singh, Ashok K. et al., "Total Synthesis of (±)-Atractyligenin," Journal of the American Chemical Society, 109:6187-9, 1987 (Exhibit 55)
DR	Skehan, Philip et al., "New Colorimetric Cytotoxicity Assay for Anticancer-Drug Screening," Journal of the National Cancer Institute, 82:1107-12, 1990 (Exhibit 56)
DR	Snider, Barry B. and Zhongping Shi, "Biomimetic Synthesis of the Central Tricyclic Portion of Ptilomycalin A," Tetrahedron Letters, 34:2099-102, 1993 (Exhibit 57)
DR	Snider, Barry B. and Zhongping Shi, "Biomimetic Synthesis of the Pentacyclic Nucleus of Ptilomycalin A", Journal of the American Chemical Society, 116:549-57, 1994 (Exhibit 58)

EXAMINER	/Deepak Rao/	DATE CONSIDERED	09/18/2006
EXAMINER: In	itial if reference considered, whether or not citation	I on is in conformance with	h MPEP 609; draw line through citation

if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FORM 1449*	Docket Number 30447.1USWO	Application Number 10/815,023 19/918,630-
INFORMATION DISCLOSURE STATEMENT	Applicant	
IN AN APPLICATION	Larry E. Overman et al.	
	Filing Date	Group Art Unit
(Use several sheets if necessary)	December 14, 2001	1624

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
DR	Stahl, Glenn L. et al., "General Procedure for the Synthesis of Mono-N-acylated 1,6- Diaminohexanes," Journal of Organic Chemistry, 43:2285-6, 1978 (Exhibit 59)			
DR	Stinson, S. F. et al., "Morphologic Characterization of Human Carcinoma Cell Lines," <i>Proceedings of the American Association for Cancer Research</i> , 30:613, 1989 (Exhibit 60)			
DR	Taber, Douglass F. et al., "Preparation of β-Keto Esters by 4-DMAP-Catalyzed Ester Exchange," Journal of Organic Chemistry, 50:3618-9, 1985 (Exhibit 61)			
DR	Takaku, Hiroshi, et al., "Methoxyethoxymethyl Group for the Protection of Uracil Residue in Oligoribonucleotide Synthesis," <i>Tetrahedron Letters</i> , 24:5363-6, 1983 (Exhibit 62)			
DR	Vishnyakova, T. P. et al., "Substituted Ureas: Methods of Synthesis and Applications," Russian Chemical Reviews, 54:249-61, 1985 (Exhibit 63)			
DR	von dem Bussche-Hünnefeld et al., "α,α,α',α',-Tetraaryl-1,3-dioxolane-4,5-dimethanols (TADDOLs) for Resolutions of Alcohols and as Chiral Solvating Agents in NMR Spectroscopy," <i>Helvetica Chimica Acta</i> , 75:438-41, 1992 (Exhibit 64)			
DR	Ward, Dale E. and Chung K. Rhee, "A Simple Method for the Microscale Preparation of Mosher's Acid Chloride," Tetrahedron Letters, 32:7165-6, 1991 (Exhibit 65)			
DR	Zelle, Robert E. et al., "A Systematic Degradation of Zincophorin: A Stereoselective Synthesis of the C17-C25 Fragment," Journal of Organic Chemistry, 51:5032-6, 1986 (Exhibit 66)			
	·			
	· ····································			
·				

EXAMINER	/Deepak Rao/	DATE CONSIDERED	09/18/2006
	*		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

^{*}Substitute Disclosure Statement Form (PTO-1449)